Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/01/2019 01:03 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125380	0	2.39	125481	2.35
Blue	F	SSC	125000	123066	-2	3.92	123848	3.88
Blue	E	FITC	16694	16415	-2	3.92	383	22.09
Blue	D	PE	32792	32094	-3	3.24	710	16.30
Blue	B	PerCP-Cy5-5	44451	43946	-2	4.82	1203	23.88
Blue	A	PE-Cy7	33645	33980	0	7.12	614	47.85
Red	C	APC	47008	46323	-2	3.02	1790	13.66
Red	A	APC-Cy7	32298	31697	-2	3.00	793	14.39
Violet	B	V450	8961	8695	-3	4.91	484	14.54
Violet	A	V500	32726	31537	-4	4.64	762	11.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20422	4.49	610	-3	N/A	N/A	Pass
Blue	F	SSC	55763	3.40	578	10	N/A	N/A	Pass
Blue	E	FITC	63	74.13	566	3	0.0154	157	Pass
Blue	D	PE	141	58.36	570	4	0.1388	328	Pass
Blue	B	PerCP-Cy5-5	222	58.10	677	6	0.0068	53	Pass
Blue	A	PE-Cy7	121	120.80	734	8	0.0091	32	Pass
Red	C	APC	410	29.12	614	1	0.0183	121	Pass
Red	A	APC-Cy7	195	32.43	586	1	0.0044	1034	Pass
Violet	B	V450	71	70.91	487	1	0.0468	2536	Pass
Violet	A	V500	108	39.54	496	0	0.0198	1113	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-31.96	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.50
Red	16.41	13.60 - 20.40	N/A	N/A	29.15	29.55	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10204

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments